

Review of: "A Novel One-Pot Three-Component Approach to Orthoaminocarbonitrile Tetrahydronaphthalenes Using Triethylamine (Et₃N) as a Highly Efficient and Homogeneous Catalyst Under Mild Conditions and Investigating Its Anti-cancer Properties Through Molecular Docking Studies and Calculations"

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Potential competing interests: No potential competing interests to declare.

Thanks to the authors...

1. All synthesized derivatives in Table 2 have been synthesized in previous literature. Please check the generality of the protocol by synthesizing novel derivatives. New compounds should be fully identified by ¹³C NMR, ¹H NMR, mass spectrometry, and FTIR techniques. I suggest using the following aldehydes:

3-Phenylbenzaldehyde; 3-(4-Methylphenyl)benzaldehyde;

4-Phenylbenzaldehyde.

2. What was the reason for choosing triethylamine as a catalyst in a green protocol despite its high toxicity, volatility, and lack of reproducibility?

3. Despite the homogeneity of the catalyst, its reproducibility should be tested. If it can be recovered during consecutive cycles, the exact amount of recovered catalyst should be reported.

4. Table of contents should be added to SI. Please number the pages as S1, S2, S3, etc.

5. Please check the progress of the model reaction under solvent-free conditions at different temperatures.

6. The text is well written; however, a few typographical and grammatical errors should be corrected.

7. The introductory literature of the manuscript could be improved by adding the following references:

<https://doi.org/10.1007/s12633-023-02372-z>; 10.1002/aoc.5579; <https://doi.org/10.1007/s11164-019-04073-y> ;

<https://doi.org/10.1007/s12633-019-00235-0>; <https://doi.org/10.1007/s11164-019-03913-1>; <https://doi.org/10.1007/s11164-019-03775-7>; 10.1039/c8nj04921a.